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FACS ANALYSIS OF BAV304 AND BAV600 TRANSDUCTION OF HUMAN CELLS

A549

293

HEp-2

HeLa

BAV304

BAV600

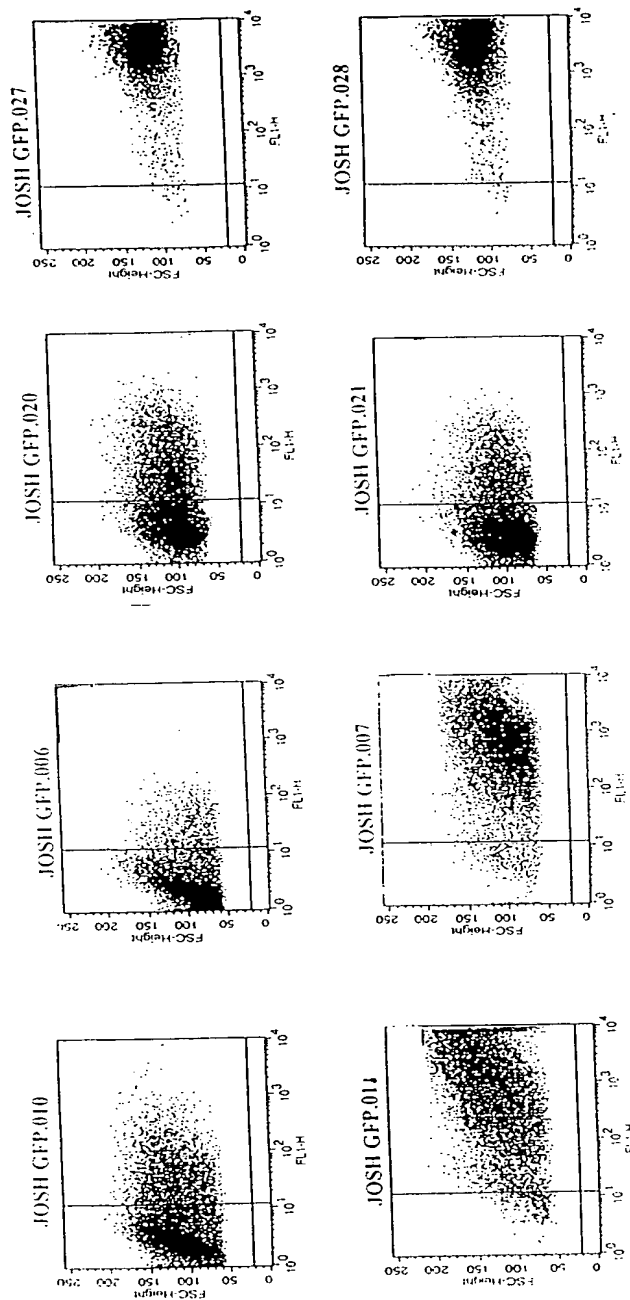


FIGURE 8



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	MKRSRXXXXPXPXDPXXLYPXPXXXPQXDXF																														Majority
	10										20										30										
1	MSVSSCSCPSAPTIFMLLQMKRARPS EDTF																														HAd5F.PRO
1	MKRSVPQDFNLVYPYKAKRPNIMPPFFDRN																														BAV3F.pro
1	MGPKKQKRELPEDFDPVYPYDVPQLQINPP																														PAV3F.pro
1	MKRTRRALPANYDPVYPYDAPGSSTQPPFF																														CAV2F.pro
1	MKRARWDPVYPFSEERLVPLPPFIEAGKGL																														OAd287.PRO
	NXVGXXXXXXXXXXVXXXLT PPF LXXXLGXX																														Majority
	40										50										60										
31	NPVYPYDTETGPP TVPFLT PPFVSPNGFQE																														HAd5F.PRO
31	GFVENQEATLAMLVEKPLTFDKEGALTLGV																														BAV3F.pro
31	FVSGDGFNQSV DGVLSLHIAPPLVFDNTRA																														PAV3F.pro
31	NNKQGLTESPPGTLAVNVSPPLTFSTLGAI																														CAV2F.pro
31	KSEGLILSLNFTDPITINQTGF LTVKLG DG																														OAd287.PRO
	XXXXGXGGLLLE GKXXXVXXXGLXLTTXLX																														Majority
	70										80										90										
61	SPPGVLSLR LSEPLVTSNGMLALKMGNGLS																														HAd5F.PRO
61	GRGIRINPAGLLETNDLASAVFPPLASDEA																														BAV3F.pro
61	LTLAFGGGLQLSGKQLVVATEGSGLTTNPD																														PAV3F.pro
61	KLSTGPGLTLNEGKQLQASLGPGGLITNTEGQ																														CAV2F.pro
61	IFINGEGGLSSTAPKVKVPLTVSDETLQLL																														OAd287.PRO
	GXVXLNXKSXSXTTXXPXLXKTGSGLSLDX																														Majority
	100										110										120										
91	LDEAGNLTSQNVTTVSPPLKKT KSNINLEI																														HAd5F.PRO
91	GNVTLNMSDGLYTKDNKLAVKVGPGLSLDS																														BAV3F.pro
91	GKLV LKVKSPITLTAEGISLSLGPGLSNSE																														PAV3F.pro
91	ITVENVNKVL SFTSPLHK NENTVSLALGDG																														CAV2F.pro
91	LSNSLTTESDSLALKQPQLPLKINDEGSLV																														OAd287.PRO
	LNL LTVTTXXLXXXXXAPLXPLXXALXSTT																														Majority
	130										140										150										
121	SAPLTVTSEALTVA AAAAPLMVAGNTLTMQS																														HAd5F.PRO
121	NNALQVHTGDGLTVTDDKVS LNTQAPLSTT																														BAV3F.pro
121	TGLSLQVTAPLQFQGNALTLPLAAGLQNTD																														PAV3F.pro
121	LEDENGTLKVTFPTPPPPLQFSPPLTKTGG																														CAV2F.pro
121	LNLNTPLNLQNERLS LNVSNPLKIAADSLT																														OAd287.PRO

FIG._17A



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		X A X L X L L G S X L X T L G X X X V T V X N G X P X L Q X	Majority
		160 170 180	
151	Q A P L T V H D S K L S I A T Q G P L T V S E G K L A L Q T		HAd5F.PRO
151	S A G L S L L L G P S L H L G E E E R L T V N T G A G L Q I		BAV3F.pro
151	G G M G V K L G S G L T T D N S Q A V T V Q V G N G L Q L N		PAV3F.pro
151	T V S L P L Q D S M Q V T N G K L G V K P T T Y A P P L K K		CAV2F.pro
151	I N L K E P L G L Q N E S L G L N L S D P M N I T P E G N L		OAd287.PRO
		G X X L L T V X V G S G L T V A S X X L X A A X X S N G X X	Majority
		190 200 210	
181	S G P L T T T D S S T L T I T A S P P L T T A T G S L G I D		HAd5F.PRO
181	S N N A L A V K V G S G I T V D A Q N Q L A A S L G D G L E		BAV3F.pro
181	G E G Q L T V P A T A P L V S G S A G I S F N Y S S N D F V		PAV3F.pro
181	T D Q Q V S L Q V G S G L T V I N E Q L Q A V Q P P A T T Y		CAV2F.pro
181	G I K L K N P M K V E E S S L A L N Y K N P L A I S N D A L		OAd287.PRO
		L X N X S X T L N X K X G L V X G X L A S T X D T L S X L X	Majority
		220 230 240	
211	L K E P I Y T Q N G K L G L K Y G A P L H V T D D L N T L T		HAd5F.PRO
211	S R D N K T V V K A G P G L T I T N Q A L T V A T G N G L Q		BAV3F.pro
211	L D N D S L S L R P K A I S V T P P L Q S T E D T I S L N Y		PAV3F.pro
211	N E P L S K T D N S V S L Q V G A G L A V Q S G A L V A T P		CAV2F.pro
211	S I N I A N P L T V N T S G S L G I S Y S T P L R I S N N A		OAd287.PRO
		V N P F X G X X L N L T X X Q T L X X X X L X X L V X X N N	Majority
		250 260 270	
241	V A T G P G V T I N N T S L Q T K V T G A L G F D S Q G N M		HAd5F.PRO
241	V N P E G Q L Q L N I T A G Q G L N F A N N S L A V E L G S		BAV3F.pro
241	S N D F S V D N G A L T L A P T F K P Y T L W T G A S P T A		PAV3F.pro
241	P P P L T F T S P L E K N E N T V S L Q V G A G L S V Q N N		CAV2F.pro
241	L S L F I G K P L G L G T D G S L T V N L T R P L V C R Q N		OAd287.PRO
		X L X X T P G X P L V S L Y P L L X L D V X X P L X A S X A	Majority
		280 290 300	
271	Q L N V A G G L R I D S Q N R R L I L D V S Y P F D A Q N Q		HAd5F.PRO
271	G L H F P P G Q N Q V S L Y P G D G I D I R D N R V T V P A		BAV3F.pro
271	N V I L T N T T T P N G T F F L C L T R V G G L V L G S F A		PAV3F.pro
271	A L V A T P P P P L T F A Y P L V K N D N H V A L S A G S G		CAV2F.pro
271	T L A I N Y S A P L V S L Q D N L T L S Y A Q P L T V S D N		OAd287.PRO

FIG. 17B



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LXXLXGLXPLXTNSXGXLDXNYSXXLVLTXX			Majority
310	320	330	
301 LNLRLGQGPLFINS	301 SAHNLDINYNKGLY	301 LFT	HAd5F.PRO
301 GPGLRMLNHQLA	301 VASGDGLEVHS	301 DTLRLKL	BAV3F.pro
301 LKSSIDLTSMTK	301 KVNFI	301 FDGAGRLQSD	PAV3F.pro
301 LRISGGS	301 LTVATGPGLSHQ	301 NGTIGAVVGAG	CAV2F.pro
301 SLRLSLNSPLNT	301 NSD	301 GKLSVNYSNPL	OAd287.PRO
301	301	301	
SXXXXFXXXAVLINXTGXDXAXXAXIXXX			Majority
340	350	360	
331 ASNNSKKLEVNL	331 STAKGLMFDATA	331 IAINAG	HAd5F.PRO
331 SHGLTFENGAV	331 RAKLG	331 PGLGTDDSGR	BAV3F.pro
331 KGRFGFRSND	331 SVIEPTAAGL	331 SPAWLMPST	PAV3F.pro
331 LKFENNAILAK	331 LGNGLTIR	331 DGAIEATQPPA	CAV2F.pro
331 SNLTLSVKKP	331 VMINNTGN	331 VDL	OAd287.PRO
331	331	331	
DGXXLTSGNGPXXNVXINXTXVGLDFXLTT			Majority
370	380	390	
361 DGLEFGSPNAP	361 NNTNPLKTK	361 IGHGLEFDS	HAd5F.PRO
361 TGRGLRVANG	361 QVQIFSGR	361 GTAIGTSS	BAV3F.pro
361 IYPRNTSGSS	361 LTSFVYIN	361 QTYVHVDI	PAV3F.pro
361 APITLWTGPG	361 PSINGFIN	361 DTPVIRGF	CAV2F.pro
361 DAEQLTLET	361 TEPLEVAD	361 NALKLKL	OAd287.PRO
361	361	361	
XXXALLXXXGSFLTXXGXXXXGSKTNSSLXL			Majority
400	410	420	
391 AMVPKLG	391 TGLSFDST	391 GAITVGNK	HAd5F.PRO
391 NIRAPLQ	391 FSGPALT	391 ASLQSGP	BAV3F.pro
391 LSTNGYS	391 LEFNFQ	391 NMSFSAP	PAV3F.pro
391 RDSNLV	391 TVNASF	391 VEGGYR	CAV2F.pro
391 SNNALT	391 LNLGNG	391 LTFQQGL	OAd287.PRO
391	391	391	
XXXXXXXXSPXXXXXXXXNXXXXLTLXXLXFGXN			Majority
430	440	450	
421 WTPAPSPNC	421 RLNAEKDA	421 KLTTLVLT	HAd5F.PRO
421 TFGLSIG	421 PGMWVDQ	421 NRLQVNP	BAV3F.pro
421 VPRRTTH	421 RPRHGP	421 FSLRERR	PAV3F.pro
421 IMEFDQ	421 FGLMST	421 GNINST	CAV2F.pro
421 NASGEL	421 STATKQ	421 GTITVN	OAd287.PRO
421	421	421	

FIG. 17C



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	I L X T X X A X X X K L S X X X I S X X S X P A X L I X R X	Majority
	460 470 480	
451	I L A T V S V L A V K G S L A P I S G T V Q S A H L I I R F	HAd5F.PRO
451	N L V P N L A D P L A I S D S K I S L S L G P G L T Q A S N	BAV3F.pro
448		PAV3F.pro
451	T V Q P R P S H T W K L C M P N R E V Y S T P A A T I S R C	CAV2F.pro
451	I I P T T V A F I Y I L S G T Q F T P Q S P V T S L G F Q P	OAd287.PRO
	X L D X X L X N G L X X X X X V X X I X G X X X X V X X Y	Majority
	490 500 510	
481	D E N G V L L N N S F L D P E Y W N F R N G D L T E G T A Y	HAd5F.PRO
481	A L T L S L G N G L E F S N Q A V A I K A G R G L R F E S S	BAV3F.pro
448		PAV3F.pro
481	G L D S I A V D G A P S R S I D C M L I I N K P K G V A T Y	CAV2F.pro
481	P Q D F L D F F V L S P F V T S V T Q I V G N D V K V I G L	OAd287.PRO
	T X A X X F S X X X X X X X X L X K T X X X N X X X X X E	Majority
	520 530 540	
511	T N A V G F M P N L S A Y P K S H G K T A K S N I V S Q V Y	HAd5F.PRO
511	S Q A L E S S L T V G N G L T L T D T V I R P N L G D G L E	BAV3F.pro
448		PAV3F.pro
511	T L T F R F L N F N R L S G G T L F K T D V L T F T Y V G E	CAV2F.pro
511	T I S K N Q S T I T M K F T S P L A E N V P V S M F T A H Q	OAd287.PRO
	X R - - - - -	Majority
	550 560 570	
541	L N G D K T K P V T L T I T L N G T Q E T G D T T P S A Y S	HAd5F.PRO
541	V R D N K I I V K L G A N L R F E N G A V T A G T V N P S A	BAV3F.pro
448		PAV3F.pro
541	N Q	CAV2F.pro
541	F R Q	OAd287.PRO
	- - - - -	Majority
	580 590 600	
571	M S F S W D W S G H N Y I N E I F A T S S Y T F S Y I A Q E	HAd5F.PRO
571	P E A P P T L T A E P P L R A S N S H L Q L S L S E G L V V	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO

FIG._17D



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-----		Majority
	610 620 630	
600		HAd5F.PRO
601	H N N A L A L Q L G D G M E V N Q H G L T L R V G S G L Q M	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
-----		Majority
	640 650 660	
600		HAd5F.PRO
631	R D G I L T V T P S G T P I E P R L T A P L T Q T E N G I G	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
-----		Majority
	670 680 690	
600		HAd5F.PRO
661	L A L G A G L E L D E S A L Q V K V G P G M R L N P V E K Y	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
-----		Majority
	700 710 720	
600		HAd5F.PRO
691	V T L L L G P G L S F G Q P A N R T N Y D V R V S V E P P M	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
-----		Majority
	730 740 750	
600		HAd5F.PRO
721	V F G Q R G Q L T F L V G H G L H I Q N S K L Q L N L G Q G	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO

FIG._17E



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		Majority
		760 770 780
600		HAd5F.PRO
751	L R T D P V T N Q L E V P L G Q G L E I A D E S Q V R V K L	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
		Majority
		790 800 810
600		HAd5F.PRO
781	G D G L Q F D S Q A R I T T A P N M V T E T L W T G T G S N	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
		Majority
		820 830 840
600		HAd5F.PRO
811	A N V T W R G Y T A P G S K L F L S L T R F S T G L V L G N	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
		Majority
		850 860 870
600		HAd5F.PRO
841	M T I D S N A S F G Q Y I N A G H E Q I E C F I L L D N Q G	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
		Majority
		880 890 900
600		HAd5F.PRO
871	N L K E G S N L Q G T W E V K N N P S A S K A A F L P S T A	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO

FIG. 17F



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		-----	Majority
		910 920 930	
600			HAd5F.PRO
901	LYPILNESRGS L P G K N L V G M Q A I L G G G G T C		BAV3F.pro
448			PAV3F.pro
542			CAV2F.pro
544			OAd287.PRO
		-----	Majority
		940 950 960	
600			HAd5F.PRO
931	TVIATLNGRRS N N Y P A G Q S I I F V W Q E F N T I		BAV3F.pro
448			PAV3F.pro
542			CAV2F.pro
544			OAd287.PRO
		-----	Majority
		970	
600			HAd5F.PRO
961	ARQPLNHSTLTFSYWT		BAV3F.pro
448			PAV3F.pro
542			CAV2F.pro
544			OAd287.PRO

FIG._17G